## IN THE CLAIMS

1. (currently amended) A method of planarizing a non-planar conductive surface layer on the workpiece, comprising:

applying a <u>metallic</u> conducting material layer <u>having substantially a same conductivity</u> <u>characteristic as the non-planar conductive surface layer onto a top surface of the conductive surface layer of the workpiece using one of a spin-on, spray, doctor blading or other application technique that does not involve electroplating so that a top surface of the conducting material layer is planar, thus forming a planarized multi-layer structure that includes the non-planar conductive surface layer and the <u>metallic</u> conducting material layer; and</u>

electropolishing the planarized multi-layer structure to remove in a planar manner at least portions of the non-planar conductive layer and other portions of the <u>metallic</u> conducting material layer, wherein the electropolishing in the planar manner is assisted by using conducting material in the <u>metallic</u> conducting material layer that electropolishes at substantially the same rate as the non-planar conductive surface layer.

- 2. (currently amended) The method according to claim 1, further comprising the step of annealing the <u>metallic</u> conducting material layer so that at least one solute within the <u>metallic</u> conducting material layer diffuse with the conductive surface layer.
- 3. (currently amended) The method according to claim 2, further comprising the step of continuing to anneal the <u>metallic</u> conducting material layer so that the diffusion of the solute progresses into features of the conductive surface layer.
- 4. (original) The method according to claim 1 further comprising the step of removing any remaining portion of the planarized multi-layer, thereby exposing a barrier layer.
- 5. (original) The method according to claim 4, wherein the step of removing uses a chemical mechanical polishing process.
- 6. (original) The method according to claim 4, wherein the step of removing uses one of a weter etching process.

- 7. (original) The method according to claim 1 further comprising the step of removing any remaining portion of the planarized multi-layer and a barrier layer, thereby exposing the dielectric layer.
- 8. (original) The method according to claim 7, wherein the step of removing uses a chemical mechanical polishing process.
- 9. (original) The method according to claim 7, wherein the step of removing uses one of a wet etching process and a reactive ion etching process.
- 10. (currently amended) The method according to claim 1 wherein the <u>metallic</u> conducting material layer comprises at least one of a conducting paste, a conducting slurry and a conducting emulsion.
- 11. (currently amended) The method according to claim 1 wherein the <u>metallic</u> conducting material layer comprises a conducting slurry.
- 12. (currently amended) The method according to claim 1 wherein the <u>metallic</u> conducting material layer comprises a conducting emulsion.
- 13. (currently amended) The method according to claim 1 wherein the <u>metallic</u> conducting material layer comprises a conducting low melting point metallic powder.
- 14. (currently amended) The method according to claim 1 wherein the <u>metallic</u> conducting material layer comprises a first layer of a conducting low melting point metallic powder and a second layer of a slurry.
- 15. (original) The method according to claim 1 wherein the step of electropolishing uses an electrochemical mechanical etching process.

